

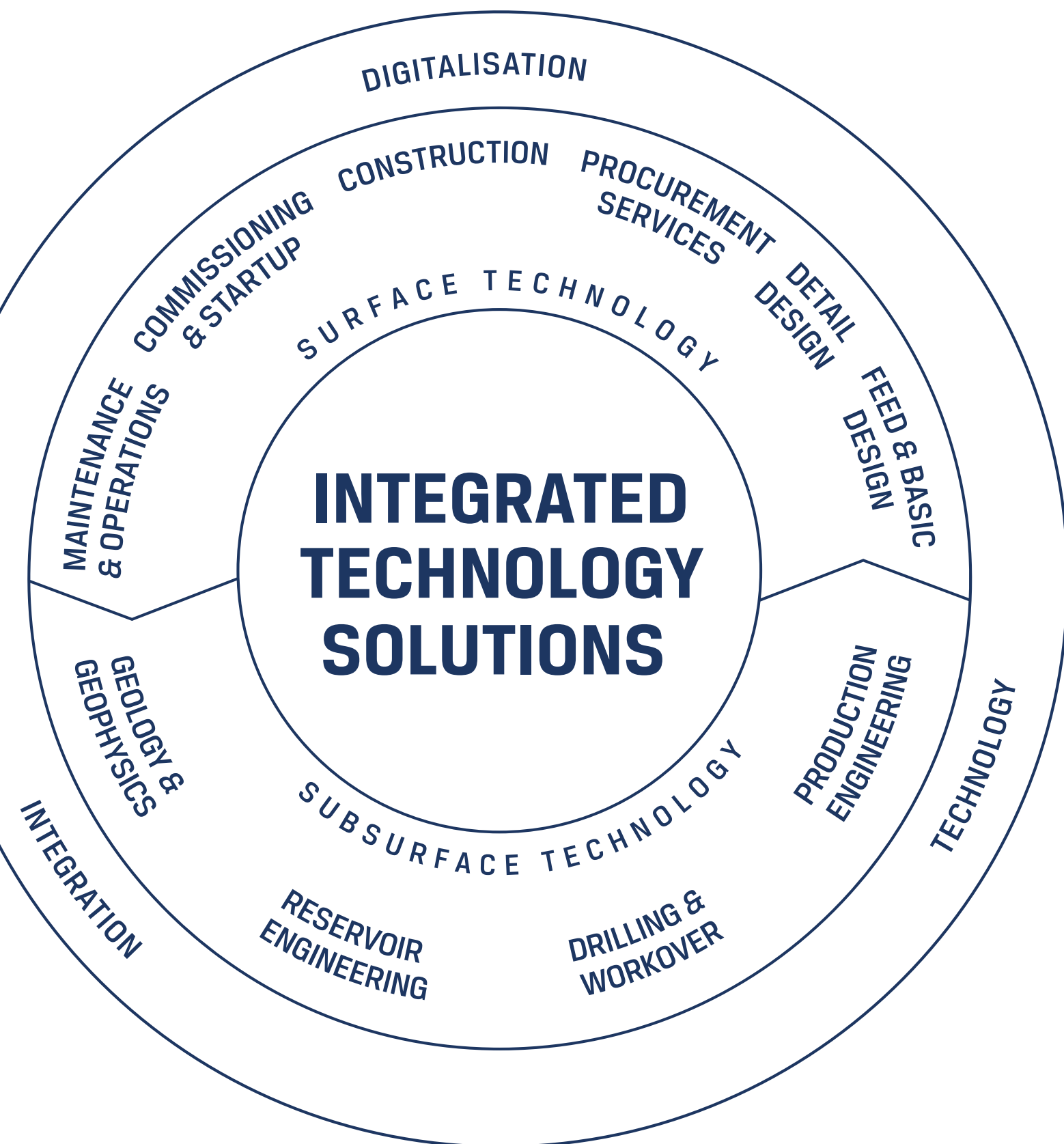
DRILLING & WORKOVER **REFERENCE LIST**

JANUARY 2021



ISO 9001: 2015 Quality Management System
ISO 14001 : 2015 Environmental Management System
ISO 45001 : 2018 Occupational Health and Safety Management System
ISO 50001 : 2011 Energy Management System

Certified by TÜV NORD



DRILLING & WORKOVER – SUPERVISION MANAGEMENT REFERENCE LIST

It #	# of Wells	Client	Meters Drilled	Scope	Year
1	43	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	76,208	Drilling Management, Work Over Supervision	2020
2	2	KOR OIL COMPANY	2,530	Drilling Management	2020
3	55	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	89,473	Drilling Management, Work Over Supervision	2019
4	19	KAZGERMUNAI LLP	35,120	Drilling Management	2019
5	1	KOR OIL COMPANY	1,265	Drilling Management	2019
6	62	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	106,551	Drilling Management, Work Over Supervision	2018
7	21	KAZGERMUNAI LLP	41,856	Drilling Management	2018
8	60	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	88,461	Drilling Management, Work Over Supervision	2017
9	18	KAZGERMUNAI LLP	36,253	Drilling Management	2017
10	17	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	28,551	Drilling Management, Work Over Supervision	2016
11	16	KAZGERMUNAI LLP	31,381	Drilling Management	2016
12	61	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	84,809	Drilling Management, Work Over Supervision	2015
13	14	KAZGERMUNAI LLP	25,737	Drilling Management	2015
14	95	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	143,145	Drilling Management, Work Over Supervision	2014
15	5	AIDAN MUNAI LLP	8,637	Drilling Management, Work Over Supervision	2014

DRILLING & WORKOVER – SUPERVISION MANAGEMENT REFERENCE LIST

It #	# of Wells	Client	Meters Drilled	Scope	Year
16	8	KAZGERMUNAI LLP	15,794	Drilling Management	2013
17	132	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	208,003	Drilling Management, Work Over Supervision	2013
18	101	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	143,807	Drilling Management, Work Over Supervision	2012
19	15	TARBAGATAI MUNAI LLP	2,643	Drilling Management, Work Over Supervision	2011
20	98	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	146,587	Drilling Management, Work Over Supervision	2011
21	60	PETROM	65,000	Work Over Supervision	2010
22	5	TARBAGATAI MUNAI LLP	5,893	Drilling Management, Work Over Supervision	2010
23	97	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	150,988	Drilling Management, Work Over Supervision	2010
24	80	PETROM	90,000	Work Over Supervision	2009
25	97	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	135,389	Drilling Management, Work Over Supervision	2009
26	1	RAVNINOE OIL LLP	3,455	Drilling Management, Work Over Supervision	2009
27	4	TARBAGATAI MUNAI LLP	6,890	Drilling Management, Work Over Supervision	2009
28	54	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	98,772	Drilling Management, Work Over Supervision	2008
29	1	TARBAGATAI MUNAI LLP	1,119	Drilling Management, Work Over Supervision	2008
30	60	PETROM	63,000	Work Over Supervision	2008

DRILLING & WORKOVER – SUPERVISION MANAGEMENT REFERENCE LIST

It #	# of Wells	Client	Meters Drilled	Scope	Year
31	58	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	90,303	Drilling Management, Work Over Supervision	2007
32	3	TARBAGATAI MUNAI LLP	4,500	Drilling Management, Work Over Supervision	2007
33	2	TARBAGATAI MUNAI LLP	3,500	Drilling Management, Work Over Supervision	2006
34	14	KAZGERMUNAI LLP	28,000	Drilling Management, Work Over Supervision	2006
35	71	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	103,508	Drilling Management, Work Over Supervision	2006
36	12	KAZGERMUNAI LLP	24,000	Drilling Management, Work Over Supervision	2005
37	2	TARBAGATAI MUNAI LLP	3,900	Drilling Management, Work Over Supervision	2005
38	2	BIG SKY	2,900	Drilling Management, Work Over Supervision	2005
39	57	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	82,736	Drilling Management, Work Over Supervision	2005
40	42	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	59,190	Drilling Management, Work Over Supervision	2004
41	12	KAZGERMUNAI LLP	24,500	Drilling Management, Work Over Supervision	2004
42	10	KAZGERMUNAI LLP	21,000	Drilling Management, Work Over Supervision	2003
43	3	ORIENT	6,900	Drilling Management, Work Over Supervision	2003
44	23	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	29,078	Drilling Management, Work Over Supervision	2003
45	16	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	24,363	Drilling Management, Work Over Supervision	2002

DRILLING & WORKOVER – SUPERVISION MANAGEMENT REFERENCE LIST

It #	# of Wells	Client	Meters Drilled	Scope	Year
46	20	KAZGERMUNAI LLP	39,000	Drilling Management, Work Over Supervision	2002
47	1	KAZGERMUNAI LLP	2,100	Drilling Management	2001
48	26	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	34,609	Drilling Management, Work Over Supervision	2001
TOTAL			2,521,404		

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
1	TUZ-38	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	3,246	ZJ-40	2018
2	TUZ-39	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	3,500	ZJ-40	2018
3	SE DOS-59	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,240	ZJ-30	2018
4	SE DOS-30	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	793	ZJ-30	2018
5	SE DOS-58	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,430	ZJ-30	2018
6	SE DOS-57	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,480	ZJ-30	2018
7	SE DOS-55	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,453	ZJ-30	2018
8	SE DOS-54	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,448	ZJ-30	2017
9	SE DOS-53	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,460	ZJ-30	2017
10	KB-54	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,349	ZJ-30	2017
11	KB-53	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,400	ZJ-30	2017
12	KB-32	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,380	ZJ-30	2017
13	KB-24	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,381	ZJ-30	2017
14	KB-27	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,354	ZJ-30	2017

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
15	KB-35	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,369	ZJ-30	2017
16	KB-28	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,362	ZJ-30	2017
17	NWKK-130	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,529	ZJ-30	2017
18	DOS-64	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	850	ZJ-30	2016
19	KB-31	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,377	ZJ-30	2016
20	NKB-3	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,475	ZJ-30	2016
21	KB-38	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,404	ZJ-30	2015
22	NWKK-129	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,510	IDECO	2015
23	K-18	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,393	ZJ-30	2015
24	NWKK-238	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,516	IDECO	2015
25	KB-29	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,370	ZJ-30	2015
26	NWKK-218	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,475	IDECO	2015
27	KB-23	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,360	ZJ-30	2015
28	DOSH-46	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,701	ZJ-30	2014

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
29	ARY-241	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,088	IDECO	2014
30	DOSH-42	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,665	ZJ-30	2014
31	ARY-242	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,080	IDECO	2014
32	DOSH-40	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,890	ZJ-30	2014
33	DOSH-39	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,500	IDECO	2014
34	DOSH-37	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	897	IDECO	2014
35	SE DOSH-38	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,503	IDECO	2014
36	ARY-243	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,090	IDECO	2014
37	ARY-240	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,087	IDECO	2014
38	ARY-247	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,095	IDECO	2014
39	SWKAR-37	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,608	ZJ-30	2014
40	ARY-189	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,085	IDECO	2014
41	KB-34	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,349	ZJ-30	2014
42	KB-26	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,377	ZJ-30	2014

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
43	KK-522	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,860	IDECO	2014
44	SWKAR-31	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,603	ZJ-30	2014
45	KK-520	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,812	IDECO	2014
46	SWKAR-43	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,502	ZJ-30	2014
47	KK-519	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,811	IDECO	2014
48	SWKAR-41	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,500	ZJ-30	2014
49	KK-417	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,583	IDECO	2014
50	ARY-187	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,081	IDECO	2014
51	ARY-224	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,082	IDECO	2014
52	SWKAR-45	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,500	ZJ-30	2014
53	ARY-222	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,083	IDECO	2013
54	ARY-196	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,071	IDECO	2013
55	NWKK-115	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,520	ZJ-30	2013
56	ARY-223	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,080	IDECO	2013

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
57	KK-402	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,582	ZJ-30	2013
58	ARY-221	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,080	IDECO	2013
59	ARY-220	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,080	IDECO	2013
60	KAR-16	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,380	ZJ-30	2013
61	WKB-32	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,600	IDECO	2013
62	WKB-39	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,585	ZJ-30	2013
63	WKB-40	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,602	IDECO	2013
64	WKB-38	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,617	ZJ-30	2013
65	KAR-15	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,380	IDECO	2013
66	WKB-42	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,536	ZJ-30	2013
67	KK-450	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,880	IDECO	2013
68	NWKK-210	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,484	ZJ-30	2013
69	KK-418	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,564	IDECO	2013
70	NWKK-164	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,531	ZJ-30	2013

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
71	KK-405	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,632	IDECO	2013
72	NWKK-109	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,475	ZJ-30	2013
73	KK-408	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,550	IDECO	2013
74	NWKK-126	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,521	ZJ-30	2013
75	NWKK-220	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,492	IDECO	2013
76	NWKK-123	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,510	ZJ-30	2013
77	ARY-195	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,052	IDECO	2013
78	MAB-41	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,500	IDECO	2013
79	NWKK-232	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,506	ZJ-30	2013
80	MAB-40	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,500	IDECO	2013
81	NWKK-219	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,503	ZJ-30	2013
82	ARY-185	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,087	IDECO	2013
83	ARY-184	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,081	IDECO	2013
84	KK-359	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,880	ZJ-30	2013

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
85	KK-510	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,886	ZJ-30	2013
86	ARY-182	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,085	IDECO	2013
87	ARY-183	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,081	IDECO	2013
88	NWKK-217	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	516	ZJ-30	2013
89	KET-10	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,500	IDECO	2013
90	NWKK-222	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,471	ZJ-30	2013
91	A-175	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,080	ZJ-30	2012
92	A-176	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,100	ZJ-30	2012
93	A-177	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,102	ZJ-30	2012
94	D-25	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,704	ZJ-30	2012
95	D-26	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,602	ZJ-30	2012
96	D-27	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	821	ZJ-30	2012
97	D-30	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,460	ZJ-30	2012
98	D-32	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,166	ZJ-30	2012

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
99	NW KK-121	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,521	ZJ-30	2012
100	NW KK-216	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,503	ZJ-30	2012
101	NW KK-230	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,536	ZJ-30	2012
102	NW KK-223	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,500	ZJ-30	2012
103	NW KK-217	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	948	ZJ-30	2012
104	WTUZ-18	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,299	IDECO	2012
105	WTUZ-21	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,272	IDECO	2012
106	KET-9	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,913	IDECO	2012
107	WTUZ-49	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,602	IDECO	2012
108	WTUZ-31	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,375	IDECO	2012
109	WTUZ-20	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,385	IDECO	2012
110	WTUZ-29	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,230	IDECO	2012
111	KET-8	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,640	IDECO	2012
112	AKZH-1	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,287	IDECO	2012

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
113	ZMA-A19	SAMEK INTERNATIONAL LTD	Turn Key Drilling	948	IDECO	2011
114	ARY-171	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,088	ZJ-30	2011
115	DOS-31	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,900	ZJ-30	2011
116	SAGW-2	SAMEK INTERNATIONAL LTD	Turn Key Drilling	1,451	IDECO	2011
117	ARY-423	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,512	ZJ-30	2011
118	ARY-165	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,070	ZJ-30	2011
119	ARY-168	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,070	ZJ-30	2011
120	ARY-167	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,070	ZJ-30	2011
121	ASK-2	SAMEK INTERNATIONAL LTD	Turn Key Drilling	3,412	ZJ-50	2011
122	NWKK-134	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,540	ZJ-30	2011
123	NARS-1	SAMEK INTERNATIONAL LTD	Turn Key Drilling	1,589	IDECO	2011
124	WKAB-19	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,550	ZJ-30	2011
125	NKAR-1	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,524	ZJ-30	2011
126	KK-267	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,650	ZJ-30	2011

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
127	BOR-3	SAMEK INTERNATIONAL LTD	Turn Key Drilling	1,688	IDECO	2011
128	KK-242	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,555	ZJ-30	2011
129	NWKK-226	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,550	ZJ-30	2011
130	NWKK-201	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,503	ZJ-30	2011
131	NWKK-212	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,531	ZJ-30	2011
132	NWKK-209	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,460	ZJ-30	2011
133	KK 138	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,565	ZJ-30	2011
134	ZMA-E2	SAMEK INTERNATIONAL LTD	Turn Key Drilling	915	IDECO	2011
135	ZMA-A23	SAMEK INTERNATIONAL LTD	Turn Key Drilling	890	IDECO	2011
136	SAGW-1	SAMEK INTERNATIONAL LTD	Turn Key Drilling	1,406	IDECO	2011
137	KZIE-1	SAMEK INTERNATIONAL LTD	Turn Key Drilling	1,620	IDECO	2011
138	KK-252	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,556	ZJ-30	2011
139	KK-322	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,861	ZJ-30	2010
140	W-Tuz-6	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,229	ZJ-30	2010

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
141	S-TAS-1	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,323	ZJ-30	2010
142	KK-310	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,865	ZJ-30	2010
143	KK-326	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,862	ZJ-30	2010
144	KK-325	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,862	ZJ-30	2010
145	KK-318	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,862	ZJ-30	2010
146	KK-333	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,860	ZJ-30	2010
147	KK-340	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,862	ZJ-30	2010
148	KK-328	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,862	ZJ-30	2010
149	KK-327	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,864	ZJ-30	2010
150	KK-334	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,856	ZJ-30	2010
151	KK-342	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,863	ZJ-30	2010
152	W-Tuz-3	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,381	ZJ-30	2010
153	KK-312	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,862	ZJ-30	2010
154	KK-321	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,860	ZJ-30	2009

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
155	KK-79	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,902	ZJ-30	2009
156	KK-343	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,866	ZJ-30	2009
157	KK-344	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,859	ZJ-30	2009
158	KK-329	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,860	ZJ-30	2009
159	KK-132	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,552	ZJ-30	2009
160	A-139	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,078	ZJ-30	2009
161	A-140	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,083	ZJ-30	2009
162	NN-134	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,325	ZJ-30	2009
163	NN-122	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,160	ZJ-30	2009
164	KS-4009	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,338	TD-160-CA-A7	2009
165	KS-4010	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,361	TD-160-CA-A7	2009
166	KK-133	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,575	ZJ-30	2009
167	KK-351	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,866	ZJ-30	2009
168	KS-4004	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,316	BU - 2000-125MD	2008

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
169	K-4003	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,365	TD-160-CA-A7	2008
170	KK-128	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,547	TD-160-CA-A7	2008
171	KK-204	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,523	TD-160-CA-A7	2008
172	KK-215	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,551	TD-160-CA-A7	2008
173	KK-208	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,589	TD-160-CA-A7	2008
174	KS-4006	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,349	TD-160-CA-A7	2008
175	A-213	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,082	BU - 2000-125MD	2008
176	A-212	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,082	BU - 2000-125MD	2008
177	A-135	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,090	BU - 2000-125MD	2008
178	KS-4007	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,340	BU - 2000-125MD	2008
179	M-37	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,501	TD-160-CA-A7	2008
180	A-136	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,096	BU - 2000-125MD	2008
181	B-19	KUATAMLON MUNAI LLP	Turn Key Drilling	1,054	Skytop Brewster 650	2008
182	KK-72	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,735	TD-160-CA-A7	2008

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
183	KK-216	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,601	TD-160-CA-A7	2008
184	B-18	KUATAMLON MUNAI LLP	Turn Key Drilling	1,050	Skytop Brewster 650	2008
185	K-251	KUATAMLON MUNAI LLP	Turn Key Drilling	1,333	Skytop Brewster 650	2008
186	K-273	KUATAMLON MUNAI LLP	Turn Key Drilling	1,333	Skytop Brewster 650	2008
187	K-321	KUATAMLON MUNAI LLP	Turn Key Drilling	1,330	Skytop Brewster 650	2008
188	K-322	KUATAMLON MUNAI LLP	Turn Key Drilling	1,335	Skytop Brewster 650	2008
189	B-42	KUATAMLON MUNAI LLP	Turn Key Drilling	1,103	Skytop Brewster 650	2008
190	B-40	KUATAMLON MUNAI LLP	Turn Key Drilling	1,050	Skytop Brewster 650	2008
191	K-335	KUATAMLON MUNAI LLP	Turn Key Drilling	1,333	Skytop Brewster 650	2008
192	K-281	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,371	TD-160-CA-A7	2008
193	KK-131	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,574	TD-160-CA-A7	2008
194	B-41	KUATAMLON MUNAI LLP	Turn Key Drilling	1,103	Skytop Brewster 650	2008
195	M-36	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,470	TD-160-CA-A7	2008
196	KK-73	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,774	TD-160-CA-A7	2007

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
197	K-73	VICTORIA ENERGY	Turn Key Drilling	1,250	BU - 2000-125MD	2007
198	K-62	VICTORIA ENERGY	Turn Key Drilling	1,027	BU - 2000-125MD	2007
199	K-72	VICTORIA ENERGY	Turn Key Drilling	1,279	BU - 2000-125MD	2007
200	K-70	VICTORIA ENERGY	Turn Key Drilling	763	BU - 2000-125MD	2007
201	KK-68	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,740	TD-160-CA-A7	2007
202	A-92	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,097	TD-160-CA-A7	2007
203	KK-70	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,682	TD-160-CA-A7	2007
204	A-209	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,090	TD-160-CA-A7	2007
205	KK-69	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,681	TD-160-CA-A7	2007
206	SR-2	PETROM	Turn Key Drilling	1,890	TD-125	2007
207	K-66	VICTORIA ENERGY	Turn Key Drilling	1,100	BU - 2000-125MD	2007
208	M-31	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,503	TD -125	2007
209	A-30	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,430	TD-160-CA-A7	2007
210	A-210	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,080	TD-160-CA-A7	2007

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
211	K-248	KUATAMLON MUNAI LLP	Turn Key Drilling	1,336	Skytop Brewster 650	2007
212	KK-126	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,560	TD-160-CA-A7	2007
213	K-242	KUATAMLON MUNAI LLP	Turn Key Drilling	1,332	Skytop Brewster 650	2007
214	K-119	KUATAMLON MUNAI LLP	Turn Key Drilling	1,335	Skytop Brewster 650	2007
215	K-247	KUATAMLON MUNAI LLP	Turn Key Drilling	1,330	Skytop Brewster 650	2007
216	K-241	KUATAMLON MUNAI LLP	Turn Key Drilling	1,334	Skytop Brewster 650	2007
217	K-250	KUATAMLON MUNAI LLP	Turn Key Drilling	1,331	Skytop Brewster 650	2007
218	K-245	KUATAMLON MUNAI LLP	Turn Key Drilling	1,335	Skytop Brewster 650	2007
219	K-246	KUATAMLON MUNAI LLP	Turn Key Drilling	1,330	Skytop Brewster 650	2007
220	K-244	KUATAMLON MUNAI LLP	Turn Key Drilling	1,321	Skytop Brewster 650	2007
221	K-252	KUATAMLON MUNAI LLP	Turn Key Drilling	1,325	Skytop Brewster 650	2007
222	K-403	KUATAMLON MUNAI LLP	Turn Key Drilling	1,325	Skytop Brewster 650	2007
223	K-402	KUATAMLON MUNAI LLP	Turn Key Drilling	1,327	Skytop Brewster 650	2007
224	K-220	KUATAMLON MUNAI LLP	Turn Key Drilling	1,330	Skytop Brewster 650	2007

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
225	K-243	KUATAMLON MUNAI LLP	Turn Key Drilling	1,331	Skytop Brewster 650	2007
226	South Kumkol SK-28	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,400	TD-160-CA-A7	2006
227	South Kumkol SK-29	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,400	TD-160-CA-A7	2006
228	Aryskum A-134	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,150	TD-160-CA-A7	2006
229	Aryskum A-130	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,130	TD-160-CA-A7	2006
230	Aryskum A-204	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,100	TD-160-CA-A7	2006
231	Aryskum A-87	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,100	TD-160-CA-A7	2006
232	Aryskum A-108	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,100	TD-160-CA-A7	2006
233	Aryskum A-112	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,080	TD-160-CA-A7	2006
234	Aryskum A-115	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,080	TD-160-CA-A7	2006
235	Zhanatalap R-25PO	POTENTIAL OIL	Turn Key Drilling	705	TD-80-CA-A4	2006
236		KALMEASTERN	Turn Key Drilling	6,900		2006
237	Besbolec B-1A	ALTIVUS LLP	Turn Key Drilling	260	TD-80-CA-A4	2006
238	Aryskum A-102	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,082	TD-160-CA-A7	2006

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
239	Zhanatalap R-24PO	POTENTIAL OIL	Turn Key Drilling	704	TD-80-CA-A4	2006
240	Zhanatalap R-21PO	POTENTIAL OIL	Turn Key Drilling	703	TD-80-CA-A4	2006
241	Karataikyz K-205	ALTIUS LLP	Turn Key Drilling	400	TD-80-CA-A4	2006
242	Karataikyz K-201	ALTIUS LLP	Turn Key Drilling	400	TD-80-CA-A4	2006
243	Karataikyz K-203	ALTIUS LLP	Turn Key Drilling	400	TD-80-CA-A4	2006
244	Karataikyz K-18	ALTIUS LLP	Turn Key Drilling	450	TD-80-CA-A4	2006
245	Besbolec B-19	ALTIUS LLP	Turn Key Drilling	284	TD-80-CA-A4	2006
246	Besbolec B-18	ALTIUS LLP	Turn Key Drilling	250	TD-80-CA-A4	2006
247	Besbolec B-16	ALTIUS LLP	Turn Key Drilling	500	TD-80-CA-A4	2006
248	Besbolec B-12	ALTIUS LLP	Turn Key Drilling	530	TD-80-CA-A4	2006
249	Biikzhal - B 25	ADAI PETROLEUM	Turn Key Drilling	1,000	BU - 2000/125 MD	2006
250	Aryskum A-202	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,086	TD-160-CA-A7	2006
251	Aryskum A-85	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,078	TD-160-CA-A7	2006
252	Besbolec B-18A	ALTIUS LLP	Turn Key Drilling	200	TD-80-CA-A4	2006

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
253	Zhambay S-7PO	POTENTIAL OIL	Turn Key Drilling	1,094	BU-R-125	2006
254	Aryskum A-88	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,104	TD-160-CA-A7	2006
255	Dauletaly DLT-34	BIG SKY	Turn Key Drilling	850	BU - 2000/125 MD	2006
256	Dauletaly DLT-33	BIG SKY	Turn Key Drilling	880	BU - 2000/125 MD	2006
257	Karatal-32	BIG SKY	Turn Key Drilling	750	BU - 2000/125 MD	2006
258	Zhanatalap S-23PO	POTENTIAL OIL	Turn Key Drilling	1,063	BU-R-125	2006
259	Dauletaly DLT-37	BIG SKY	Turn Key Drilling	352	BU - 2000/125 MD	2006
260	Zhanatalap S-5PO	POTENTIAL OIL	Turn Key Drilling	1,273	BU-R-125	2006
261	Zhanatalap S-4PO	POTENTIAL OIL	Turn Key Drilling	1,058	BU-R-125	2006
262	K-249	KUATAMLON MUNAI LLP	Turn Key Drilling	1,334	Skytop Brewster 650	2006
263	K-218	KUATAMLON MUNAI LLP	Turn Key Drilling	1,334	Skytop Brewster 650	2006
264	Aryskum A-86	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,100	TD-160-CA-A7	2006
265	Karatal-34	BIG SKY	Turn Key Drilling	1,803	BU - 2000/125 MD	2006
266	K-255	KUATAMLON MUNAI LLP	Turn Key Drilling	1,333	Skytop Brewster 650	2006

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
267	Aryskum A-206	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,088	TD-160-CA-A7	2006
268	Aryskum A-207	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,102	TD-160-CA-A7	2006
269	Aryskum A-205	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,097	TD-160-CA-A7	2006
270	Aryskum A-208	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,081	TD-160-CA-A7	2006
271	K-240	KUATAMLON MUNAI LLP	Turn Key Drilling	1,330	Skytop Brewster 650	2006
272	K-262	KUATAMLON MUNAI LLP	Turn Key Drilling	1,333	Skytop Brewster 650	2006
273	K-216	KUATAMLON MUNAI LLP	Turn Key Drilling	1,315	Skytop Brewster 650	2006
274	K-217	KUATAMLON MUNAI LLP	Turn Key Drilling	1,330	Skytop Brewster 650	2006
275	K-264	KUATAMLON MUNAI LLP	Turn Key Drilling	1,325	Skytop Brewster 650	2006
276	Akzahar - A 24	ALTIUS LLP	Turn Key Drilling	700	TD-80-CA-A4	2005
277	Akzahar - A 22	ALTIUS LLP	Turn Key Drilling	700	TD-80-CA-A4	2005
278	Akzahar - A 21	ALTIUS LLP	Turn Key Drilling	575	TD-80-CA-A4	2005
279	Akzahar - A 20	ALTIUS LLP	Turn Key Drilling	650	TD-80-CA-A4	2005
280	Akzahar - A 25	ALTIUS LLP	Turn Key Drilling	635	TD-80-CA-A4	2005

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
281	Akzahar - A 19	ALTIUS LLP	Turn Key Drilling	500	TD-80-CA-A4	2005
282	Akzahar - A 18	ALTIUS LLP	Turn Key Drilling	543	TD-80-CA-A4	2005
283	Akzahar - A 17	ALTIUS LLP	Turn Key Drilling	500	TD-80-CA-A4	2005
284	K6 - AAB-01-1236	ALTIUS LLP	Turn Key Drilling	756	TD-80-CA-A4	2005
285	Akzahar - A 26	ALTIUS LLP	Turn Key Drilling	635	TD-80-CA-A4	2005
286	Akzahar - A 16	ALTIUS LLP	Turn Key Drilling	500	TD-80-CA-A4	2005
287	Akzahar - A 27	ALTIUS LLP	Turn Key Drilling	610	TD-80-CA-A4	2005
288	Akzahar - A 33	ALTIUS LLP	Turn Key Drilling	818	TD-80-CA-A4	2005
289	Akzahar - A 36	ALTIUS LLP	Turn Key Drilling	536	TD-80-CA-A4	2005
290	Akzahar - A 37	ALTIUS LLP	Turn Key Drilling	550	TD-80-CA-A4	2005
291	Akzahar - A 35	ALTIUS LLP	Turn Key Drilling	580	TD-80-CA-A4	2005
292	Besbolec B-14	ALTIUS LLP	Turn Key Drilling	400	TD-80-CA-A5	2005
293	Biikzhal - B 12	ADAI PETROLEUM	Turn Key Drilling	1,385	BU - 2000/125 MD	2005
294	Biikzhal - B 24	ADAI PETROLEUM	Turn Key Drilling	1,180	BU - 2000/125 MD	2005

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
295	ADAI - Maikomgen-1	ADAI PETROLEUM	Turn Key Drilling	2,400	BU - 2000/125 MD	2005
296	K5 - AAB-01-1253	ALTIUS LLP	Turn Key Drilling	500	TD-80-CA-A4	2005
297		KALMEASTERN	Turn Key Drilling	24,000		2005
298	Biikzhal - B 17	ADAI PETROLEUM	Turn Key Drilling	900	BU - 2000/125 MD	2005
299	West Ongar ONGW-2	BIG SKY	Turn Key Drilling	1,550	BU-R-125	2005
300	K-229	KUATAMLON MUNAI LLP	Turn Key Drilling	1,344	Skytop Brewster 650	2005
301	Biikzhal - B 13	ADAI PETROLEUM	Turn Key Drilling	1,020	BU - 2000/125 MD	2005
302	North Nuraly - NN-13	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,280	TD-160-CA-A7	2005
303	K-235	KUATAMLON MUNAI LLP	Turn Key Drilling	1,350	Skytop Brewster 650	2005
304	K-237	KUATAMLON MUNAI LLP	Turn Key Drilling	1,344	Skytop Brewster 650	2005
305	B-11	KUATAMLON MUNAI LLP	Turn Key Drilling	1,150	Skytop Brewster 650	2005
306	K-238	KUATAMLON MUNAI LLP	Turn Key Drilling	1,354	Skytop Brewster 650	2005
307	B-12	KUATAMLON MUNAI LLP	Turn Key Drilling	1,150	Skytop Brewster 650	2005
308	B-6	KUATAMLON MUNAI LLP	Turn Key Drilling	1,050	Skytop Brewster 650	2005

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
309	B-9	KUATAMLON MUNAI LLP	Turn Key Drilling	1,050	Skytop Brewster 650	2005
310	B-10	KUATAMLON MUNAI LLP	Turn Key Drilling	1,050	Skytop Brewster 650	2005
311	K-303	KUATAMLON MUNAI LLP	Turn Key Drilling	1,315	Skytop Brewster 650	2005
312	Kyzylkia - K-97	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,700	TD-160-CA-A7	2005
313	K-231	KUATAMLON MUNAI LLP	Turn Key Drilling	1,350	Skytop Brewster 650	2005
314	K-305	KUATAMLON MUNAI LLP	Turn Key Drilling	1,345	Skytop Brewster 650	2005
315	North Nuraly - NN-11	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,230	TD-160-CA-A7	2005
316	North Nuraly - NN-12	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	2,254	TD-160-CA-A7	2005
317	Kyzylkia - K-35	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,601	TD-160-CA-A7	2005
318	Kyzylkia - K-101	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,575	TD-160-CA-A7	2005
319	Kyzylkia - K-114	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,575	TD-160-CA-A7	2005
320	Kyzylkia - K-113	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,600	TD-160-CA-A7	2005
321	Kyzylkia - K-205	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,604	TD-160-CA-A7	2005
322	S-WB-1R	KUATAMLON MUNAI LLP	Turn Key Drilling	1,350	Skytop Brewster 650	2005

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
323	K-400	KUATAMLON MUNAI LLP	Turn Key Drilling	1,305	Skytop Brewster 650	2005
324	K-306	KUATAMLON MUNAI LLP	Turn Key Drilling	1,330	Skytop Brewster 650	2005
325	Biikzhal - 5	ADAI PETROLEUM	Turn Key Drilling	1,054	BU - 2000/125 MD	2004
326	B7 - AAA-07.5-76112	ALTIUS LLP	Turn Key Drilling	302	TD-80-CA-A4	2004
327	B1-AAA-30-1082	ALTIUS LLP	Turn Key Drilling	716	TD-80-CA-A4	2004
328	B2 - AAA-28.5-1092	ALTIUS LLP	Turn Key Drilling	310	TD-80-CA-A4	2004
329	B3 - AAA-27-1102	ALTIUS LLP	Turn Key Drilling	420	TD-80-CA-A4	2004
330	B4-AAA-10.5-26-181372	ALTIUS LLP	Turn Key Drilling	395	TD-80-CA-A4	2004
331	B5-AAA-17-171120	ALTIUS LLP	Turn Key Drilling	283	TD-80-CA-A4	2004
332	B6 - AAA-12.5-126081	ALTIUS LLP	Turn Key Drilling	289	TD-80-CA-A4	2004
333	Akzahar - A 10	ALTIUS LLP	Turn Key Drilling	600	TD-80-CA-A4	2004
334	B8 - AAA-31-1093	ALTIUS LLP	Turn Key Drilling	311	TD-80-CA-A4	2004
335	K1-Kar AAB-11-1127	ALTIUS LLP	Turn Key Drilling	297	TD-80-CA-A4	2004
336	K2-Kar AAB-14-1100	ALTIUS LLP	Turn Key Drilling	508	TD-80-CA-A4	2004

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
337	K3-Kar AAB-02-1255	ALTIUS LLP	Turn Key Drilling	484	TD-80-CA-A4	2004
338	USHKAN NORTH -1	ADAI PETROLEUM	Turn Key Drilling	1,864	BU - 2000/125 MD	2004
339	Biikzhal - 6	ADAI PETROLEUM	Turn Key Drilling	1,225	BU - 2000/125 MD	2004
340	Biikzhal - BS-2	ADAI PETROLEUM	Turn Key Drilling	1,041	BU - 2000/125 MD	2004
341	Biikzhal - 7	ADAI PETROLEUM	Turn Key Drilling	835	BU - 2000/125 MD	2004
342	Akzahar - A 9	ALTIUS LLP	Turn Key Drilling	620	TD-80-CA-A4	2004
343	Akzahar - A 15	ALTIUS LLP	Turn Key Drilling	502	TD-80-CA-A4	2004
344	K4 - Kar AAB-11-1144	ALTIUS LLP	Turn Key Drilling	481	TD-80-CA-A4	2004
345	K-210	KUATAMLON MUNAI LLP	Turn Key Drilling	1,350	Skytop Brewster 650	2004
346	Akzahar - A 11	ALTIUS LLP	Turn Key Drilling	601	TD-80-CA-A4	2004
347	Akzahar - A 8	ALTIUS LLP	Turn Key Drilling	600	TD-80-CA-A4	2004
348	K-208	KUATAMLON MUNAI LLP	Turn Key Drilling	1,355	Skytop Brewster 650	2004
349	K-203	KUATAMLON MUNAI LLP	Turn Key Drilling	1,355	Skytop Brewster 650	2004
350	K-223	KUATAMLON MUNAI LLP	Turn Key Drilling	1,350	Skytop Brewster 650	2004

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
351	K-209	KUATAMLON MUNAI LLP	Turn Key Drilling	1,349	Skytop Brewster 650	2004
352	K-207	KUATAMLON MUNAI LLP	Turn Key Drilling	1,346	Skytop Brewster 650	2004
353	K-213	KUATAMLON MUNAI LLP	Turn Key Drilling	1,350	Skytop Brewster 650	2004
354	K-212	KUATAMLON MUNAI LLP	Turn Key Drilling	1,350	Skytop Brewster 650	2004
355	Akzahar - A 12	ALTIUS LLP	Turn Key Drilling	610	TD-80-CA-A4	2004
356	Akzahar - A 14	ALTIUS LLP	Turn Key Drilling	600	TD-80-CA-A4	2004
357	K-302	KUATAMLON MUNAI LLP	Turn Key Drilling	1,345	Skytop Brewster 650	2004
358	Akzahar - A 13	ALTIUS LLP	Turn Key Drilling	565	TD-80-CA-A4	2004
359	B-5	KUATAMLON MUNAI LLP	Turn Key Drilling	1,103	Skytop Brewster 650	2004
360	Akzahar - A 3	ALTIUS LLP	Turn Key Drilling	511	TD-80-CA-A4	2004
361	Kyzylkia - K-201	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	Turn Key Drilling	1,622	TD-160-CA-A7	2004
362	Sk-6	KUATAMLON MUNAI LLP	Turn Key Drilling	1,600	Skytop Brewster 650	2004
363	B-7	KUATAMLON MUNAI LLP	Turn Key Drilling	1,047	Skytop Brewster 650	2004
364	Akzahar - A 2	ALTIUS LLP	Turn Key Drilling	540	TD-80-CA-A4	2004

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
365	K-211	KUATAMLON MUNAI LLP	Turn Key Drilling	1,300	Skytop Brewster 650	2003
366	K-206	KUATAMLON MUNAI LLP	Turn Key Drilling	1,354	BU - 2000/125 MD	2003
367	Ulkentobe SW 1	ADAI PETROLEUM	Turn Key Drilling	2,000	BU - 2000/125 MD	2003
368	Ulkentobe No.1	ADAI PETROLEUM	Turn Key Drilling	1,800	BU - 2000/125 MD	2003
369	Akzhar - A 1	ALTIUS LLP	Turn Key Drilling	594	TD-80-CA-A4	2003
370	Akzhar - A 4	ALTIUS LLP	Turn Key Drilling	557	TD-80-CA-A4	2003
371	K-221	KUATAMLON MUNAI LLP	Turn Key Drilling	1,333	Skytop Brewster 650	2003
372	K-222	KUATAMLON MUNAI LLP	Turn Key Drilling	1,333	Skytop Brewster 650	2003
373	K-204	KUATAMLON MUNAI LLP	Turn Key Drilling	1,330	Skytop Brewster 650	2003
374	K-225	KUATAMLON MUNAI LLP	Turn Key Drilling	1,330	Skytop Brewster 650	2003
375	K-226	KUATAMLON MUNAI LLP	Turn Key Drilling	1,340	Skytop Brewster 650	2003
376	K-224	KUATAMLON MUNAI LLP	Turn Key Drilling	1,333	Skytop Brewster 650	2003
377	K-227	KUATAMLON MUNAI LLP	Turn Key Drilling	1,325	Skytop Brewster 650	2003
378	B-4	KUATAMLON MUNAI LLP	Turn Key Drilling	1,057	Skytop Brewster 650	2002

DRILLING – TURN KEY WELLS REFERENCE LIST

It #	Project Name/Well #	Client	Scope	Meters Drilled	Rig	Year
379	B-3	KUATAMLON MUNAI LLP	Turn Key Drilling	1,035	Skytop Brewster 650	2002
380	B-2	KUATAMLON MUNAI LLP	Turn Key Drilling	1,057	Skytop Brewster 650	2002
381	B-1	KUATAMLON MUNAI LLP	Turn Key Drilling	1,051	Skytop Brewster 650	2002
382	K-201	KUATAMLON MUNAI LLP	Turn Key Drilling	1,306	Skytop Brewster 650	2002
383	K-202	KUATAMLON MUNAI LLP	Turn Key Drilling	1,340	Skytop Brewster 650	2002
384	K-205	KUATAMLON MUNAI LLP	Turn Key Drilling	1,331	Skytop Brewster 650	2002
TOTAL				523,500 m		

DRILLING – SUPERVISION OF WELLS ON KOR PROJECT

REFERENCE LIST

HISTORY OF DRILLED WELLS - KOR DRILLING CAMPAIGN 2020 - SUPERVISION

Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD (m)
1	2020	KOR	ASH-287	ZJ-30	Supervision	13-Feb-20	1-Mar-20	17,09	/	24,00	1265,00
2	2020	KOR	ASH-288	ZJ-30	Supervision	11-Mar-20	27-Mar-20	16,00	/	24,00	1265,00
								33,09	0,00	48,00	2530,00

	Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Meters
Grand TOTAL	2	33,09	0,00	48,00	2530,00

HISTORY OF DRILLED WELLS - KOR DRILLING CAMPAIGN 2019 - SUPERVISION

Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD (m)
1	2019	KOR	ASH-286	ZJ-30	Supervision	8-Jul-19	24-Jul-19	15.79	/	3.00	1265.00
								15.79	0.00	3.00	1265.00

	Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Meters
Grand TOTAL	1	15.79	0.00	3.00	1265.00

DRILLING – SUPERVISION OF WELLS ON KGM PROJECT

REFERENCE LIST

HISTORY OF DRILLED WELLS - KAZGER MUNAI DRILLING CAMPAIGN 2019 - SUPERVISION

Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD (m)
1	2019	Kazger Munai	AKSH-461	ZJ-30	Supervision	28-Feb-19	28-Mar-19	28.30	/	48.50	1888.00
2	2019	Kazger Munai	AKSH-462	ZJ-30	Supervision	5-Mar-19	31-Mar-19	26.30	/	69.00	1888.00
3	2019	Kazger Munai	AKSH-464	ZJ-30	Supervision	7-Mar-19	4-Apr-19	28.60	/	68.00	1900.00
4	2019	Kazger Munai	AKSH-474	ZJ-30	Supervision	30-Mar-19	5-Mar-19	35.00	/	61.30	1925.00
5	2019	Kazger Munai	AKSH-458	ZJ-40	Supervision	6-Apr-19	9-May-19	33.71	/	58.00	1888.00
6	2019	Kazger Munai	AKSH-467	ZJ-30	Supervision	13-Sep-19	9-Oct-19	26.67	/	37.00	1925.00
7	2019	Kazger Munai	AKSH-472	ZJ-40	Supervision	13-Sep-19	13-Oct-18	32.00	/	114.00	1932.00
8	2019	Kazger Munai	AKSH-61	ZJ-30	Supervision	12-Sep-19	12-Oct-19	30.70	/	53.50	1919.00
9	2019	Kazger Munai	AKSH-478	ZJ-30	Supervision	20-Sep-19	17-Oct-19	28.00	/	15.00	1922.00
10	2019	Kazger Munai	NUR-413	ZJ-30	Supervision	18-Sep-19	27-Oct-19	40.00	/	76.80	2300.00
11	2019	Kazger Munai	AKSH-476	ZJ-30	Supervision	13-Oct-19	14-Nov-19	32.50	/	1.00	1930.00
12	2019	Kazger Munai	AKSH-60	ZJ-30	Supervision	14-Oct-19	15-Nov-19	32.46	/	17.00	1930.00
13	2019	Kazger Munai	AKSAY-71	ZJ-40	Supervision	16-Oct-19	27-Nov-19	42.58	/	7.00	1718.00
14	2019	Kazger Munai	NUR-414	ZJ-30	Supervision	29-Oct-19	3-Dec-19	34.80	/	12.00	2170.00
15	2019	Kazger Munai	AKSAY-76	ZJ-30	Supervision	16-Nov-19	19-Dec-19	33.17	/	17.00	1700.00
16	2019	Kazger Munai	AKSH-59	ZJ-30	Supervision	13-Nov-19	24-Dec-19	41.25	/	12.50	1975.00
17	2019	Kazger Munai	AKSH-479	ZJ-30	Supervision	18-Nov-19	29-Dec-19	36.50	/	65.00	1930.00
18	2019	Kazger Munai	AKSAY-75	ZJ-40	Supervision	1-Dec-19	31-Dec-19	28.60	/	2.00	1707.00
19	2019	Kazger Munai	AKSAY-74	ZJ-30	Supervision	25-Dec-19	31-Dec-19	5.05	/	1.00	573.00
								596.19	0.00	735.60	35120.00

	Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Meters
Grand TOTAL	19	596.19	0.00	735.60	35120.00

DRILLING – SUPERVISION OF WELLS ON KGM PROJECT REFERENCE LIST

HISTORY OF DRILLED WELLS - KAZGER MUNAI DRILLING CAMPAIGN 2018 - SUPERVISION

Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD (m)	EWR
1	2018	Kazger Munai	AKSH-55	ZJ-30	Supervision	31-Jan-18	1-Mar-18	28.90	/	43.50	1931.00	Yes
2	2018	Kazger Munai	AKSH-438	ZJ-30	Supervision	2-Feb-18	13-Mar-18	39.08	/	274.00	1909.00	Yes
3	2018	Kazger Munai	AKSH-419	ZJ-30	Supervision	26-Feb-18	19-Mar-18	21.21	/	7.50	1904.00	Yes
4	2018	Kazger Munai	AKSH-58	ZJ-30	Supervision	10-Mar-18	8-Apr-18	28.85	/	50.00	1945.00	Yes
5	2018	Kazger Munai	AKSH-436	ZJ-40	Supervision	16-Mar-18	9-Apr-18	23.88	/	14.00	1900.00	Yes
6	2018	Kazger Munai	AKSH-437	ZJ-30	Supervision	6-Apr-18	30-Apr-18	24.07	/	60.50	1905.00	Yes
7	2018	Kazger Munai	AKSH-428	ZJ-40	Supervision	7-Apr-18	28-Apr-18	21.00	/	0.00	1900.00	Yes
8	2018	Kazger Munai	AKSH-449	ZJ-30	Supervision	16-Apr-18	7-May-18	21.66	/	8.00	1900.00	Yes
9	2018	Kazger Munai	AKSH-422	ZJ-40	Supervision	17-Apr-18	11-May-18	24.79	/	34.50	1900.00	Yes
10	2018	Kazger Munai	AKSH-455 Hor. Well	ZJ-40	Supervision	9-May-18	16-Jun-18	33.00	/	1.50	2575.00	Yes
11	2018	Kazger Munai	AKSH-435	ZJ-30	Supervision	12-May-18	5-Jun-18	24.27	/	65.00	1800.00	Yes
12	2018	Kazger Munai	AKSH-447	ZJ-30	Supervision	17-May-18	9-Jun-18	23.43	/	18.50	1895.00	Yes
13	2018	Kazger Munai	AKSH-448	ZJ-30	Supervision	4-Jun-18	25-Jun-18	21.81	/	0.00	1900.00	Yes
14	2018	Kazger Munai	AKSH-56	ZJ-30	Supervision	16-Jun-18	19-Jul-18	32.85	/	209.50	1950.00	Yes
15	2018	Kazger Munai	AKSH-454 Hor. Well	ZJ-40	Supervision	14-Jul-18	22-Aug-18	38.88	/	143.00	2604.00	Yes
16	2018	Kazger Munai	AKSH-463	ZJ-30	Supervision	2-Aug-18	24-Aug-18	21.85	/	44.00	1902.00	Yes
17	2018	Kazger Munai	AKSH-460	ZJ-30	Supervision	8-Aug-18	29-Aug-18	21.06	/	28.00	1902.00	Yes
18	2018	Kazger Munai	AKSH-57	ZJ-30	Supervision	10-Aug-18	2-Sep-18	23.44	/	23.00	1950.00	Yes
19	2018	Kazger Munai	AKSH-459	ZJ-30	Supervision	12-Aug-18	1-Sep-18	19.21	/	2.50	1900.00	Yes
20	2018	Kazger Munai	AKSH-457 Hor. Well	ZJ-30	Supervision	31-Aug-18	27-Sep-18	27.08	/	0.00	2384.00	Yes
21	2018	Kazger Munai	AKSH-466	ZJ-30	Supervision	12-Sep-18	13-Oct-18	31.08	/	114.00	1900.00	Yes
								551.38	0.00	1141.00	41856.00	

	Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Meters
Grand TOTAL	21	551.38	0.00	1141.00	41856.00

DRILLING – SUPERVISION OF WELLS ON KGM PROJECT REFERENCE LIST

HISTORY OF DRILLED WELLS - KAZGER MUNAI DRILLING CAMPAIGN 2017 - SUPERVISION

Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD (m)	EWR
1	2017	Kazger Munai	AKSH-425	ZJ-30	Supervision	19-Apr-17	21-May-17	32,06	/	130,00	1900,00	Yes
2	2017	Kazger Munai	AKSH-440	ZJ-40	Supervision	24-Apr-17	19-May-17	26,71	/	0,50	1931,00	Yes
3	2017	Kazger Munai	AKSH-414	ZJ-30	Supervision	26-Apr-17	21-May-17	24,96	/	17,50	1910,00	Yes
4	2017	Kazger Munai	AKSH-424	ZJ-30	Supervision	27-Apr-17	21-May-17	24,46	/	43,00	1776,00	Yes
5	2017	Kazger Munai	AKSH-443	ZJ-30	Supervision	10-May-17	7-Jun-17	28,00	/	172,50	1901,00	Yes
6	2017	Kazger Munai	AKSH-439	ZJ-40	Supervision	28-May-17	18-Jun-17	20,90	/	2,00	1913,00	Yes
7	2017	Kazger Munai	AKSH-500	ZJ-30	Supervision	29-May-17	27-Jun-17	29,31	/	0,00	1916,00	Yes
8	2017	Kazger Munai	AKSH-426	ZJ-30	Supervision	3-Jun-17	29-Jun-17	26,71	/	34,00	1900,00	Yes
9	2017	Kazger Munai	AKSH-452 Hor. Well	ZJ-40	Supervision	8-Jun-17	23-Jul-17	44,54	/	3,50	2602,00	Yes
10	2017	Kazger Munai	AKSH-444	ZJ-30	Supervision	22-Jun-17	15-Jul-17	23,13	/	90,50	1889,00	Yes
11	2017	Kazger Munai	AKSH-430	ZJ-40	Supervision	27-Jun-17	20-Jul-17	23,69	/	11,50	1900,00	Yes
12	2017	Kazger Munai	AKSAY-78 Hor. Well	ZJ-30	Supervision	12-Jul-17	24-Aug-17	43,75	/	42,50	2294,00	Yes
13	2017	Kazger Munai	AKSAY-60	ZJ-30	Supervision	13-Jul-17	9-Aug-17	27,33	/	66,50	1753,00	Yes
14	2017	Kazger Munai	NUR-411	ZJ-30	Supervision	11-Jul-17	5-Aug-17	25,88	/	0,00	1985,00	Yes
15	2017	Kazger Munai	AKSAY-61	ZJ-30	Supervision	30-Jul-17	21-Aug-17	22,25	/	62,50	1735,00	Yes
16	2017	Kazger Munai	AKSH-451 Hor. Well	ZJ-40	Supervision	2-Aug-17	14-Sep-17	42,33	/	49,00	2627,00	Yes
17	2017	Kazger Munai	AKSH-453 Hor. Well	ZJ-40	Supervision	20-Sep-17	23-Oct-17	33,06	/	0,00	2471,00	Yes
18	2017	Kazger Munai	AKSAY-79	ZJ-30	Supervision	13-Oct-17	6-Nov-17	22,77	/	31,50	1850,00	Yes
								521,84	0,00	757,00	36253,00	

	Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Meters
Grand TOTAL	18	521,84	0,00	757,00	36253,00

DRILLING – SUPERVISION OF WELLS ON KGM PROJECT REFERENCE LIST

HISTORY OF DRILLED WELLS - KAZGERMUNAI DRILLING CAMPAIGN 2016 - SUPERVISION

Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD (m)	EWR
1	2016	Kazger Munai	AKSH-366	ZJ-30	Supervision	4-Mar-16	27-Mar-16	23,71	/	31,00	1910,00	Yes
2	2016	Kazger Munai	AKSH-299	ZJ-30	Supervision	7-Mar-16	2-Apr-16	26,31	/	5,00	1920,00	Yes
3	2016	Kazger Munai	AKSH-421	ZJ-30	Supervision	15-Mar-16	6-Apr-16	21,90	/	10,50	1873,00	Yes
4	2016	Kazger Munai	AKSH-427	ZJ-40	Supervision	18-Mar-16	11-Apr-16	23,67	/	10,50	1894,00	Yes
5	2016	Kazger Munai	NUR-410	ZJ-30	Supervision	29-Mar-16	3-May-16	35,02	/	1,00	2355,00	Yes
6	2016	Kazger Munai	AKSH-501	ZJ-30	Supervision	3-Apr-16	4-May-16	30,94	/	17,50	1950,00	Yes
7	2016	Kazger Munai	AKSH-415	ZJ-30	Supervision	10-Apr-16	4-May-16	24,35	/	20,00	1920,00	Yes
8	2016	Kazger Munai	AKSH-423	ZJ-40	Supervision	18-Apr-16	11-May-16	23,06	/	28,00	1887,00	Yes
9	2016	Kazger Munai	AKSAY-59	ZJ-30	Supervision	12-May-16	6-Jun-16	25,13	/	79,00	1710,00	Yes
10	2016	Kazger Munai	AKSAY-58	ZJ-30	Supervision	13-May-16	7-Jun-16	25	/	78,50	1750,00	Yes
11	2016	Kazger Munai	AKSH-420	ZJ-30	Supervision	14-May-16	5-Jun-16	21,44	/	5,00	1879,00	Yes
12	2016	Kazger Munai	AKSAY-49	ZJ-30	Supervision	19-May-16	7-Jun-16	19,63	/	17,00	1697,00	Yes
13	2016	Kazger Munai	AKSAY-57	ZJ-30	Supervision	27-May-16	27-Jun-16	30,92	/	79,00	1707,00	Yes
14	2016	Kazger Munai	AKSH-450	ZJ-40	Supervision	22-Jun-16	10-Sep-16	79,5	/	839,00	2385,00	Yes
15	2016	Kazger Munai	AKSAY-77	ZJ-40	Supervision	3-Oct-16	1-Dec-16	58,54	/	183,00	2304,00	Yes
16	2016	Kazger Munai	AKSH-34	ZJ-30	Supervision	31-Oct-16	24-Nov-16	24,83	/	4,00	2240,00	Yes
								493,95	0,00	1408,00	31381,00	

	Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Meters
Grand TOTAL	16	493,95	0,00	1408,00	31381,00

DRILLING – SUPERVISION OF WELLS ON KGM PROJECT REFERENCE LIST

HISTORY OF DRILLED WELLS - KAZGERMUNAI PROJECT 2015 - SUPERVISION

Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD (m)	EWR
1	2015	Kazger Munai	AKSH-51	ZJ-40	Supervision	12-Jul-15	8-Aug-15	27,08	/	24,50	1900,00	Yes
2	2015	Kazger Munai	AKSAY-29	ZJ-30	Supervision	3-Aug-15	26-Aug-15	22,50	/	1,00	1637,00	Yes
3	2015	Kazger Munai	AKSAY-56	ZJ-40	Supervision	6-Aug-15	22-Aug-15	16,46	/	13,00	1700,00	Yes
4	2015	Kazger Munai	AKSAY-55	ZJ-30	Supervision	8-Aug-15	29-Aug-15	20,77	/	28,00	1700,00	Yes
5	2015	Kazger Munai	AKSH-52	ZJ-20	Supervision	10-Aug-15	5-Sep-15	26,69	/	21,50	1950,00	Yes
6	2015	Kazger Munai	AKSH-297	ZJ-30	Supervision	21-Aug-15	17-Sep-15	26,83	/	71,50	1911,00	Yes
7	2015	Kazger Munai	AKSAY-69	ZJ-40	Supervision	28-Aug-15	18-Sep-15	20,68	/	0,00	1772,00	Yes
8	2015	Kazger Munai	AKSAY-48	ZJ-30	Supervision	23-Sep-15	13-Oct-15	19,33	/	0,00	1734,00	Yes
9	2015	Kazger Munai	AKSH-365	ZJ-30	Supervision	12-Nov-15	5-Dec-15	22,71	/	0,00	1915,00	Yes
10	2015	Kazger Munai	AKSH-257	ZJ-40	Supervision	14-Nov-15	8-Dec-15	24,67	/	1,00	1950,00	Yes
11	2015	Kazger Munai	AKSH-470	ZJ-30	Supervision	15-Nov-15	8-Dec-15	23,69	/	1,50	1875,00	Yes
12	2015	Kazger Munai	AKSH-413	ZJ-30	Supervision	21-Nov-15	11-Dec-15	20,54	/	0,00	1888,00	Yes
13	2015	Kazger Munai	AKSH-416	ZJ-30	Supervision	28-Nov-15	20-Dec-15	22,04	/	0,00	1900,00	Yes
14	2015	Kazger Munai	AKSH-364	ZJ-30	Supervision	3-Dec-15	25-Dec-15	22,33	/	0,00	1905,00	Yes
								316,32	0,00	162,00	25737,00	

	Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Metres
Grand TOTAL	14	316,32	0,00	162,00	25737,00

DRILLING – SUPERVISION OF WELLS ON KGM PROJECT REFERENCE LIST

HISTORY OF DRILLED WELLS - KAZGERMUNAI PROJECT 2013 - SUPERVISION

Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD	EWR
1	2013	Kazger Munai	AKSH-45	ZJ-30 XIBU	Supervision	3-Sep-13	1-Oct-13	28	/	7,00	1982,00	Yes
2	2013	Kazger Munai	E. AKSH-44	ZJ-30 XIBU	Supervision	6-Oct-13	3-Nov-13	28	/	6,50	2077,00	Yes
3	2013	Kazger Munai	AKSH-290	ZJ-30 XIBU	Supervision	10-Nov-13	10-Dec-13	30	/	47,50	1880,00	Yes
								86,00	0,00	61,00	5939,00	
1	2013	Kazger Munai	E. AKSH-43	ZJ-30 ALEM OIL	Supervision	16-Oct-13	12-Nov-13	27	/	0,00	2070,00	Yes
2	2013	Kazger Munai	E. AKSH-46	ZJ-30 ALEM OIL	Supervision	19-Nov-13	14-Dec-13	25	/	3,00	1972,00	Yes
								52,00	0,00	3,00	4042,00	
1	2013	Kazger Munai	AKSH-291	ZJ-30 ZHAN ROSS	Supervision	11-Sep-13	7-Oct-13	26	/	2,50	1950,00	Yes
2	2013	Kazger Munai	AKSH-293	ZJ-30 ZHAN ROSS	Supervision	10-Oct-13	5-Nov-13	26	/	8,50	1948,00	Yes
3	2013	Kazger Munai	AKSH-292	ZJ-30 ZHAN ROSS	Supervision	10-Nov-13	8-Dec-13	28	/	15,00	1915,00	Yes
								80,00	0,00	26,00	5813,00	

	Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Metres
Grand TOTAL	8	218	0	90	15794

DRILLING – SUPERVISION OF WELLS ON ADM PROJECT REFERENCE LIST

HISTORY OF DRILLED WELLS - AIDAN MUNAI PROJECT 2014 - SUPERVISION

Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD (m)	EWR
1	2014	Aidan Munai	ARYSS-96	ZJ-30	Supervising	11-May-14	6-Jun-14	26,56	/	28,00	1530,00	Yes
2	2014	Aidan Munai	ARYSS-100	ZJ-30	Supervising	10-Jun-14	3-Jul-14	22,71	/	0,00	1420,00	Yes
3	2014	Aidan Munai	ARYSS-104	ZJ-30	Supervising	12-Jul-14	12-Aug-14	31,46	/	18,00	1420,00	Yes
4	2014	Aidan Munai	CAR-06	ZJ-30	Supervising	13-Aug-14	25-Sep-14	39,65	/	51,50	2468,00	Yes
5	2014	Aidan Munai	SAR-70	ZJ-30	Supervising	2-Oct-14	26-Oct-14	24,63	/	0,00	1799,00	Yes
								80,73	0,00	97,50	8637,00	

	Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Metres
Grand TOTAL	5	80,73	0,00	97,50	8637,00

DRILLING – TURN KEY OF WELLS ON PKKR PROJECT REFERENCE LIST

ZJ-30 HISTORY OF DRILLED WELLS - PKKR CAMPAIGN 2009-2018												
Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD (m)	EWR
	2018	PKKR	SE DOS-54	ZJ-30	Turn Key	18-Dec-17	8-Jan-18	8.00	/	25.50	203.00	Yes
1	2018	PKKR	SE DOS-55	ZJ-30	Turn Key	4-Feb-18	25-Feb-18	21.00	7.83	15.60	1453.00	Yes
2	2018	PKKR	SE DOS-57	ZJ-30	Turn Key	19-May-18	4-Jun-18	16.13	4.00	9.84	1480.00	Yes
3	2018	PKKR	SE DOS-58	ZJ-30	Turn Key	10-Jun-18	27-Jun-18	17.42	5.70	2.00	1430.00	Yes
4	2018	PKKR	SE DOS-30	ZJ-30	Turn Key	3-Sep-18	17-Sep-18	14.25	10.00	17.04	793.00	Yes
5	2018	PKKR	SE DOS-59	ZJ-30	Turn Key	15-Oct-18	6-Dec-18	52.83	8.00	300.96	2240.00	Yes
								129.63	35.53	370.94	7599.00	
	2017	PKKR	NWKK-130	ZJ-30	Turn Key	19-Dec-16	7-Feb-16	37.50	/	251.00	915.00	Yes
1	2017	PKKR	KB-24	ZJ-30	Turn Key	28-Jun-17	14-Jul-17	16.71	8.30	15.00	1381.00	Yes
2	2017	PKKR	KB-32	ZJ-30	Turn Key	21-Jul-17	8-Aug-17	19.00	6.00	16.00	1380.00	Yes
3	2017	PKKR	KB-53	ZJ-30	Turn Key	15-Aug-17	28-Aug-17	13.91	6.00	4.00	1400.00	Yes
4	2017	PKKR	KB-54	ZJ-30	Turn Key	28-Sep-17	15-Oct-17	16.92	5.00	21.50	1349.00	Yes
5	2017	PKKR	SE DOS-53	ZJ-30	Turn Key	22-Nov-17	10-Dec-17	19.00	8.66	30.00	1460.00	Yes
6	2017	PKKR	SE DOS-54	ZJ-30	Turn Key	18-Dec-17		13.21	7.35	7.00	1245.00	/
								136.25	41.31	344.50	9130.00	
1	2016	PKKR	NKB-3	ZJ-30	Turn Key	14-Jul-16	31-Jul-16	16.96	8.63	1.50	1475.00	Yes
2	2016	PKKR	KB-31	ZJ-30	Turn Key	26-Sep-16	18-Oct-16	21.79	6.75	55.00	1377.00	Yes
3	2016	PKKR	DOS-64	ZJ-30	Turn Key	9-Nov-16	27-Nov-16	17.88	7.75	87.00	850.00	Yes
4	2016	PKKR	NWKK-130	ZJ-30	Turn Key	19-Dec-16	/	12.83	10.16	32.50	614.00	/
								69.46	33.29	176.00	4316.00	
	2015	PKKR	DOSH-46	ZJ-30	Turn Key	14-Dec-14	1-Jan-15	0.67	/	/	/	Yes
1	2015	PKKR	KB-23	ZJ-30	Turn Key	6-Jun-15	26-Jun-15	19.48	10.61	7.50	1360.00	Yes
2	2015	PKKR	KB-29	ZJ-30	Turn Key	1-Jul-15	20-Jul-15	19.88	5.05	47.00	1370.00	Yes
3	2015	PKKR	KB-18	ZJ-30	Turn Key	25-Jul-15	15-Aug-15	20.46	4.75	47.50	1393.00	Yes

DRILLING – TURN KEY OF WELLS ON PKKR PROJECT REFERENCE LIST

4	2015	PKKR	KB-38	ZJ-30	Turn Key	21-Aug-15	7-Sep-15	17.50	5.90	0.00	1404.00	Yes
								77.99	26.31	102.00	5527.00	
1	2014	PKKR	SWKAR-45	ZJ-30	Turn Key	9-Jan-14	6-Feb-14	27.85	13.02	195.50	1500.00	Yes
2	2014	PKKR	SWKAR-41	ZJ-30	Turn Key	18-Feb-14	07-Mar-14	17.08	11.125	5.00	1500.00	Yes
3	2014	PKKR	SWKAR-43	ZJ-30	Turn Key	12-Mar-14	28-Mar-14	15.77	5.60	7.50	1502.00	Yes
4	2014	PKKR	SWKAR-31	ZJ-30	Turn Key	05-Apr-14	20-Apr-14	15.54	7.83	53.00	1603.00	Yes
5	2014	PKKR	KAR-26	ZJ-30	Turn Key	27-Apr-14	16-May-14	9.83	6.32	93.50	1377.00	Yes
6	2014	PKKR	KAR-34	ZJ-30	Turn Key	21-May-14	05-Jun-14	15.75	4.583	19.50	1349.00	Yes
7	2014	PKKR	SWKB-37	ZJ-30	Turn Key	11-Jun-14	24-Jun-14	13.73	5.50	4.50	1608.00	Yes
8	2014	PKKR	DOSH-40	ZJ-30	Turn Key	09-Sep-14	30-Sep-14	21	7.55	6.00	1890.00	Yes
9	2014	PKKR	DOSH-42	ZJ-30	Turn Key	10-Oct-14	31-Oct-14	20.83	6.94	25.50	1665.00	Yes
10	2014	PKKR	DOSH-46	ZJ-30	Turn Key	14-Dec-14	/	17.875	7.13	12.50	1701.00	
								175.26	75.59	422.50	15695.00	
1	2013	PKKR	NWKK-217	ZJ-30	Turn Key	13-Dec-12	08-Jan-13	26.46	17.00	69.50	1464.00	Yes
2	2013	PKKR	NWKK-222	ZJ-30	Turn Key	19-Jan-13	05-Feb-13	17.16	10.00	31.00	1471.00	Yes
3	2013	PKKR	KK-510	ZJ-30	Turn Key	14-Feb-13	08-Mar-13	22.42	7.63	55.50	1886.00	Yes
4	2014	PKKR	KK-359	ZJ-30	Turn Key	14-Mar-13	30-Mar-13	16.01	5.89	0.00	1880.00	Yes
5	2013	PKKR	NWKK-219	ZJ-30	Turn Key	06-Apr-13	25-Apr-13	19.12	7.48	96.00	1503.00	Yes
6	2013	PKKR	NWKK-232	ZJ-30	Turn Key	01-May-13	16-May-13	15.46	5.54	28.00	1506.00	Yes
7	2013	PKKR	NWKK-123	ZJ-30	Turn Key	21-May-13	04-May-13	13.92	4.54	42.00	1510.00	Yes
8	2013	PKKR	NWKK-126	ZJ-30	Turn Key	08-Jun-13	23-Jun-13	15.44	4.35	10.50	1521.00	Yes
9	2013	PKKR	NWKK-109	ZJ-30	Turn Key	29-Jun-13	14-Jul-13	14.75	5.81	36.50	1475.00	Yes
10	2013	PKKR	NWKK-164	ZJ-30	Turn Key	20-Jul-13	1-Aug-13	12.42	6.00	0.00	1535.00	Yes
11	2013	PKKR	NWKK-210	ZJ-30	Turn Key	9-Aug-13	21-Aug-13	11.92	7.94	0.00	1484.00	Yes
12	2013	PKKR	WKB-42	ZJ-30	Turn Key	29-Aug-13	11-Sep-13	13.29	7.94	0.00	1536.00	Yes
13	2013	PKKR	WKB-38	ZJ-30	Turn Key	15-Sep-13	27-Sep-13	12.66	3.16	0.00	1617.00	Yes
14	2013	PKKR	WKB-39	ZJ-30	Turn Key	3-Oct-13	16-Oct-13	12.5	5.98	0.15	1585.00	Yes
15	2013	PKKR	KAR-16	ZJ-30	Turn Key	25-Oct-13	6-Nov-13	12.79	8.68	1.44	1380.00	Yes

DRILLING – TURN KEY OF WELLS ON PKKR PROJECT REFERENCE LIST

16	2013	PKKR	KK-402	ZJ-30	Turn Key	15-Nov-13	28-Nov-13	13.83	8.20	0.00	1582.00	Yes
17	2013	PKKR	NWKK-115	ZJ-30	Turn Key	10-Dec-13	27-Dec-13	16.85	11.98	13.50	1520.00	Yes
								267.00	128.12	384.09	26455.00	
1	2012	PKKR	A-175	ZJ-30	Turn Key	15-Feb-12	26-Feb-12	10.54	19.00	15.50	1080.00	Yes
2	2012	PKKR	A-176	ZJ-30	Turn Key	03-Mar-12	11-Mar-12	8.04	5.00	2.00	1100.00	Yes
3	2012	PKKR	A-177	ZJ-30	Turn Key	17-Mar-12	26-Mar-12	8.22	5.00	8.00	1102.00	Yes
4	2012	PKKR	D-27	ZJ-30	Turn Key	03-Apr-12	28-Apr-12	24.89	7.00	207.50	821.00	Yes
5	2012	PKKR	D-26	ZJ-30	Turn Key	04-May-12	26-May-12	21.64	5.00	48.00	1602.00	Yes
6	2012	PKKR	D-25	ZJ-30	Turn Key	01-Jun-12	04-Jul-12	32.58	5.00	27.00	2704.00	Yes
7	2012	PKKR	D-30	ZJ-30	Turn Key	09-Jul-12	21-Jul-12	12.95	4.00	10.00	1460.00	Yes
8	2012	PKKR	D-32	ZJ-30	Turn Key	28-Jul-12	20-Aug-12	22.72	6.00	14.50	2166.00	Yes
9	2012	PKKR	NWKK-121	ZJ-30	Turn Key	27-Aug-12	10-Sep-12	13.75	6.00	1.00	1521.00	Yes
10	2012	PKKR	NWKK-216	ZJ-30	Turn Key	16-Sep-12	01-Oct-12	15.35	5.00	41.50	1503.00	Yes
11	2012	PKKR	NWKK-230	ZJ-30	Turn Key	12-Oct-12	27-Oct-12	15.72	10.00	20.50	1536.00	Yes
12	2012	PKKR	NWKK-223	ZJ-30	Turn Key	08-Nov-12	25-Nov-12	17.29	11.71	14.50	1500.00	Yes
								203.69	88.71	410.00	18095.00	
1	2011	PKKR	KK-138	ZJ-30	Turn Key	11-Jan-11	25-Jan-11	14.39	12.00	19.50	1565.00	Yes
2	2011	PKKR	NWKK-209	ZJ-30	Turn Key	02-Feb-11	21-Feb-11	19.06	7.00	19.50	1460.00	Yes
3	2011	PKKR	NWKK-212	ZJ-30	Turn Key	03-Mar-11	21-Mar-11	18.43	9.00	31.00	1531.00	Yes
4	2011	PKKR	NWKK-201	ZJ-30	Turn Key	27-Mar-11	10-Apr-11	14.06	5.00	12.00	1503.00	Yes
5	2011	PKKR	NWKK-226	ZJ-30	Turn Key	15-Apr-11	30-Apr-11	14.33	4.00	0.00	1550.00	Yes
6	2011	PKKR	NWKK-134	ZJ-30	Turn Key	05-May-11	20-May-11	14.70	4.00	3.50	1540.00	Yes
7	2011	PKKR	KK-242	ZJ-30	Turn Key	24-May-11	03-Jun-11	10.58	3.00	0.00	1555.00	Yes
8	2011	PKKR	KK-252	ZJ-30	Turn Key	03-Jun-11	20-Jun-11	12.68	4.00	1.00	1556.00	Yes
9	2011	PKKR	KK-267	ZJ-30	Turn Key	26-Jun-11	10-Jul-11	14.60	5.00	23.50	1650.00	Yes
10	2011	PKKR	NKAR-1	ZJ-30	Turn Key	18-Jul-11	06-Aug-11	19.10	7.00	79.00	1524.00	Yes
11	2011	PKKR	WKAR-19	ZJ-30	Turn Key	11-Aug-11	26-Aug-11	15.08	4.00	15.00	1550.00	Yes
12	2011	PKKR	A-423	ZJ-30	Turn Key	02-Sep-11	15-Sep-11	13.00	6.00	5.00	1512.00	Yes

DRILLING – TURN KEY OF WELLS ON PKKR PROJECT REFERENCE LIST

13	2011	PKKR	A-165	ZJ-30	Turn Key	15-Sep-11	25-Sep-11	6.47	3.00	1.50	1070.00	Yes
14	2011	PKKR	A-168	ZJ-30	Turn Key	29-Sep-11	05-Oct-11	6.83	3.00	0.00	1070.00	Yes
15	2011	PKKR	A-167	ZJ-30	Turn Key	10-Oct-11	16-Oct-11	6.68	4.00	0.00	1070.00	Yes
16	2011	PKKR	A-172	ZJ-30	Turn Key	27-Oct-11	03-Nov-11	6.97	10.00	1.50	1101.00	Yes
17	2011	PKKR	A-171	ZJ-30	Turn Key	10-Nov-11	17-Nov-11	7.87	6.00	3.50	1088.00	Yes
18	2011	PKKR	D-31	ZJ-30	Turn Key	28-Nov-11	27-Jan-12	60.08	10.00	314.50	2900.00	Yes
								274.91	106.00	530.00	26795.00	
1	2010	PKKR	KK-342	ZJ-30	Turn Key	14-Jan-10	03-Feb-10	19.96	13.00	30.00	1863.00	Yes
2	2010	PKKR	KK-334	ZJ-30	Turn Key	13-Feb-10	02-Mar-10	17.50	9.00	16.00	1856.00	
3	2010	PKKR	KK-327	ZJ-30	Turn Key	10-Mar-10	26-Mar-10	16.50	7.00	8.50	1864.00	
4	2010	PKKR	KK-328	ZJ-30	Turn Key	04-Apr-10	18-Apr-10	14.08	8.00	1.50	1862.00	
5	2010	PKKR	KK-340	ZJ-30	Turn Key	24-Apr-10	09-May-10	14.96	5.00	11.00	1862.00	
6	2010	PKKR	KK-333	ZJ-30	Turn Key	15-May-10	28-May-10	14.00	5.00	1.50	1860.00	
7	2010	PKKR	KK-318	ZJ-30	Turn Key	02-Jun-10	20-Jun-10	18.79	4.00	3.50	1862.00	
8	2010	PKKR	KK-312	ZJ-30	Turn Key	25-Jun-10	08-Jul-10	13.54	4.00	4.50	1862.00	Yes
9	2010	PKKR	KK-325	ZJ-30	Turn Key	13-Jul-10	30-Jul-10	17.30	4.00	0.00	1862.00	
10	2010	PKKR	KK-326	ZJ-30	Turn Key	04-Aug-10	21-Aug-10	16.60	4.00	2.00	1862.00	
11	2010	PKKR	KK-310	ZJ-30	Turn Key	25-Aug-10	08-Sep-10	13.79	3.00	6.00	1865.00	
12	2010	PKKR	KK-322	ZJ-30	Turn Key	13-Sep-10	30-Sep-10	17.50	4.00	3.25	1861.00	Yes
13	2010	PKKR	S-TAS-1	ZJ-30	Turn Key	14-Oct-10	29-Oct-10	15.29	13.00	0.00	1323.00	
14	2010	PKKR	W-TUZ-3	ZJ-30	Turn Key	13-Oct-10	05-Dec-10	21.90	14.00	20.00	1381.10	Yes
15	2010	PKKR	W-TUZ-6	ZJ-30	Turn Key	17-Dec-10	29-Dec-10	13.00	11.00	34.50	1228.60	
								244.71	108.00	142.25	26273.70	
1	2009	PKKR	NN-122	ZJ-30	Turn Key	14-Mar-09	10-Apr-09	27.30	12.00	65.75	2160.00	Yes
2	2009	PKKR	NN-134	ZJ-30	Turn Key	18-Apr-09	16-May-09	27.60	7.00	14.00	2325.00	Yes
3	2009	PKKR	A-140	ZJ-30	Turn Key	24-May-09	02-Jun-09	9.60	7.00	5.50	1083.00	Yes
4	2009	PKKR	A-139	ZJ-30	Turn Key	07-Jun-09	17-Jun-09	9.52	4.00	3.50	1078.00	Yes
5	2009	PKKR	KK-133	ZJ-30	Turn Key	29-Jun-09	14-Jul-09	15.21	11.00	9.00	1575.00	Yes

DRILLING – TURN KEY OF WELLS ON PKKR PROJECT REFERENCE LIST

6	2009	PKKR	KK-132	ZJ-30	Turn Key	19-Jul-09	02-Aug-09	14.17	4.00	13.00	1552.00	
7	2009	PKKR	KK-321	ZJ-30	Turn Key	08-Aug-09	24-Aug-09	16.33	5.00	8.50	1860.00	Yes
8	2009	PKKR	KK-329	ZJ-30	Turn Key	30-Aug-09	16-Sep-09	16.92	5.00	21.50	1860.00	Yes
9	2009	PKKR	KK-351	ZJ-30	Turn Key	21-Sep-09	06-Oct-09	14.79	4.00	7.00	1866.00	
10	2009	PKKR	KK-344	ZJ-30	Turn Key	14-Oct-09	28-Oct-09	14.90	7.00	8.00	1859.00	
11	2009	PKKR	KK-343	ZJ-30	Turn Key	04-Nov-09	23-Nov-09	18.54	6.00	39.00	1866.00	
12	2009	PKKR	KK-79	ZJ-30	Turn Key	11-Dec-09	31-Dec-09	20.50	17.00	20.00	1902.00	
								205.39	89.00	214.75	20986.00	

	Turn Key Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Metres
Grand TOTAL	103	1784	732	3097	160872

DRILLING – TURN KEY OF WELLS ON PKKR PROJECT REFERENCE LIST

ZJ-40 HISTORY OF DRILLED WELLS - PKKR CAMPAIGN 2018-2019												
Item	Year	Customer	Well No.	Rig	Project Level	Spud Date	Release Date	Drilling days	Moving days	Downtime (Hrs)	TD (m)	EWR
1	2018	PKKR	TUZ-39	ZJ-40	Turn Key	28-Jun-18	18-Sep-18	82.52	33.00	154.08	3500.00	Yes
2	2018	PKKR	TUZ-38	ZJ-40	Turn Key	26-Oct-18	25-Dec-18	61.00	8.00	65.52	3246.00	Yes
								143.52	41.00	219.60	6746.00	
								0.00	0.00	0.00	0.00	

	Turn Key Wells drilled	Drilling Days	Moving Days	Downtime (Hrs)	Total Metres
Grand TOTAL	2	144	41	220	6746

WORKOVER MANAGEMENT REFERENCE LIST WITH COMPLETED WORKS

It #	Client	Well Type	Scope	Program Objective/Additional Work	# of Program Objective and Additional Works completed per Year	Year
1	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	442	2020
2	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	659	2019
3	NIS/GAZPROM NEFT	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	324	2019
4	NIS/GAZPROM NEFT	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	684	2018

WORKOVER MANAGEMENT REFERENCE LIST WITH COMPLETED WORKS

It #	Client	Well Type	Scope	Program Objective/Additional Work	# of Program Objective and Additional Works completed per Year	Year
5	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	1035	2018
6	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate.	1038	2017
7	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	1087	2016
8	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	978	2015

WORKOVER MANAGEMENT REFERENCE LIST WITH COMPLETED WORKS

It #	Client	Well Type	Scope	Program Objective/Additional Work	# of Program Objective and Additional Works completed per Year	Year
9	PETROKAZAKHSTAN KUMKOL RESOURCES JSC / ADM LLP	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	924	2014
10	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	978	2013
11	PETROKAZAKHSTAN KUMKOL RESOURCES JSC	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	958	2012
12	PETROKAZAKHSTAN KUMKOL RESOURCES JSC / TBM LLP	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	1012	2011

WORKOVER MANAGEMENT REFERENCE LIST WITH COMPLETED WORKS

It #	Client	Well Type	Scope	Program Objective/Additional Work	# of Program Objective and Additional Works completed per Year	Year
13	PETROKAZAKHSTAN KUMKOL RESOURCES JSC / PETROM / TBM LLP	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	961	2010
14	PETROKAZAKHSTAN KUMKOL RESOURCES JSC / PETROM / TBM LLP	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	725	2009
15	PETROKAZAKHSTAN KUMKOL RESOURCES JSC / PETROM / TBM LLP	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	920	2008
16	PETROKAZAKHSTAN KUMKOL RESOURCES JSC / TBM LLP	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	955	2007

WORKOVER MANAGEMENT REFERENCE LIST WITH COMPLETED WORKS

It #	Client	Well Type	Scope	Program Objective/Additional Work	# of Program Objective and Additional Works completed per Year	Year
17	PETROKAZAKHSTAN KUMKOL RESOURCES JSC / TBM LLP	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	923	2006
18	PETROKAZAKHSTAN KUMKOL RESOURCES JSC / TBM LLP	PCP, SRP, Flowing, WIW, ESP, WSW, New, Susp and GIW	WorkOver Management	ESP repair, Re-Completion, PCP repair, Completion, Swab, PCP/ESP/SRP Installation, Convert to WIW, Water shut off, Tubing change, Repair drive head, Fish slackline tools, Cleanout, Change tubing, Add perfs / Re-perforate, Acidize, Swab-evaluate, Chemical squeeze, Logging, Fishing, Dynamometer, Frac & evaluate	967	2005

LIST OF MATERIALS PML SUPPLIED FOR ACCESS ROADS AND DRILLING PADS

REFERENCE LIST

Year	Access Roads				Drilling Pads			
	Soil, m ³	PGS C2, m ³	PGS C6, m ³	WATER, l	Soil, m ³	PGS, m ³	Crushed Stone, m ³	Concrete, m ³
2018	40,000	8,000	2,000	350,000	9,000	2,200	1,000	6
2017	42,000	15,000	4,200	1,200,000	14,000	4,500	2,600	38
2016	30,000	10,000	2,000	1,000,000	10,000	3,100	1,200	25
2015	80,450	20,600	5,000	1,800,000	21,500	8,900	2,200	45
2014	144,450	31,600	6,000	3,800,000	22,500	14,500	4,400	96
2013	590,750	150,000	30,000	12,000,000	199,500	98,500	39,000	690
2012	412,500	92,000	18,000	8,500,000	78,000	34,000	12,000	260
2011	427,000	96,000	20,000	8,000,000	101,500	49,300	35,400	588
2010	427,000	96,000	20,000	8,000,000	70,000	34,000	12,000	240
2009	533,750	120,000	25,000	10,000,000	192,500	93,500	33,000	660
2008	619,150	139,200	29,000	11,600,000	101,500	49,300	17,400	348
2007	2,241,750	504,000	105,000	42,000,000	105,000	51,000	18,000	360
2006	1,046,150	235,200	49,000	19,600,000	171,500	83,300	29,400	588
2005	1,024,800	230,400	48,000	19,200,000	168,000	81,600	28,800	576
2004	854,000	192,000	40,000	16,000,000	140,000	68,000	24,000	480
2003	277,550	62,400	13,000	5,200,000	45,500	22,100	7,800	156
2002	149,450	33,600	7,000	2,800,000	24,500	11,900	4,200	84
TOTAL	8,940,750	2,036,000	423,200	171,050,000	1,474,500	709,700	272,400	5,240